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Project report

Metropolia University of Applied Sciences

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Contents

1 Brief Description of the Application

In the project, a Feedback application has been developed, through which students can provide feedback directly to the teacher about the lectures. Giving feedback is done anonymously, and the feedback is given after the lecture. The purpose of the application is to enable the teacher to improve their teaching and customize it for each teaching group, even during the course. By tailoring the instruction, students' learning outcomes also improve, as the teaching becomes more supportive of individual learning. The application has been designed to be simple, making it easy to provide feedback after each lecture.

2 Deployment and Configuration Instructions

Pre-requisites

- Node.js
- Git
- PostgreSQL Server

Clone the Repository

Open a terminal or command prompt and enter the following commands:

```
git clone https://github.com/snamnna/Feedback-app feedback-app
cd feedback-app
```

Setup

Server:

- Navigate to the **server** directory within the cloned repository.
- Install the necessary dependencies using the command:
  `npm install`
- Create a new file named **.env**.
- Within this **.env** file, set the following:
  `DATABASE_URL=postgresql://USERNAME:PASSWORD@HOST:PORT/DATABASE_NAME`

Note: Replace **USERNAME**, **PASSWORD**, **HOST**, **PORT**, and **DATABASE_NAME** with your PostgreSQL details.

Client:

- Navigate to the **Client** directory within the cloned repository.

- Install the necessary dependencies using the command:

  ```
  npm install
  ```

Running the Application

Starting the Server:

- While in the **server** directory, run:

  ```
  npm start
  ```

Starting the Client:

- Switch to the **Client** directory and run:

  ```
  npm run dev
  ```

Once both the server and client are running, open a web browser and visit **localhost** to access the application.

3 Description of Application Usage and User Interface

The following functionalities have been implemented in the project:

All Users:

- Logging in
- Registration
- Updating user information

For Teachers:

- Students can be accepted into a course
- New lectures can be added inside a course
- Reports can be generated as a percentage from a single lecture
- Feedback reports can be generated as a percentage from a course/month

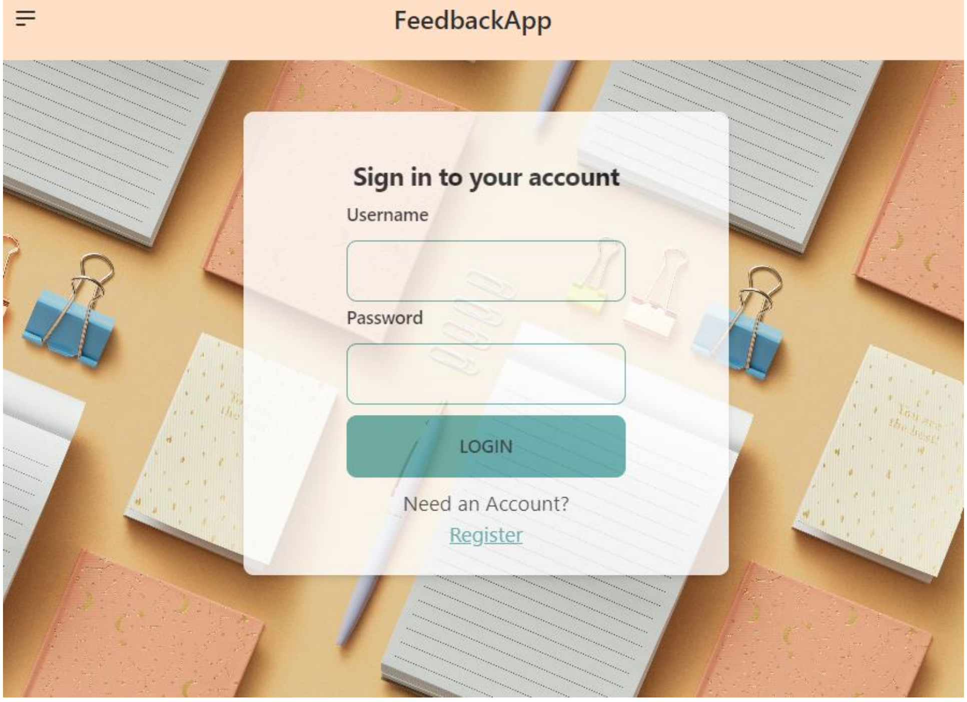
For Students:

- Enrollment in a course (requires teacher's permission)
- Feedback can be provided using buttons and an optional text field (up to 160 characters)

For Admin:

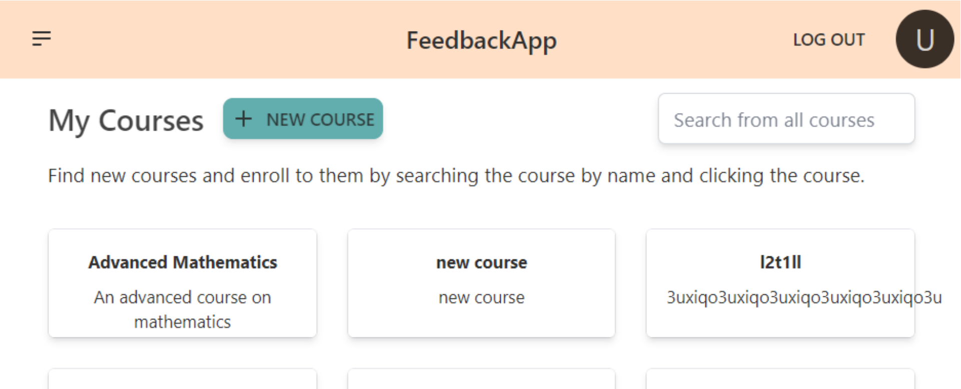
- Assign user permissions/make a user a teacher

However, the following functionality has not yet been implemented. Feedback reports from a single student from different teachers' courses. In addition to the listed functionalities, thereare issues with course and lesson management, specifically in terms of deletion, which are not working perfectly.



Picture 1. Login

Registration and login options are positioned in the center of the window. All users have "user settings" and "logout" options in the top right corner.



Find new courses and enroll to them by searching the course by name and clicking the course.

Advanced Mathematics
An advanced course on mathematics

new course
new course

l2t1ll
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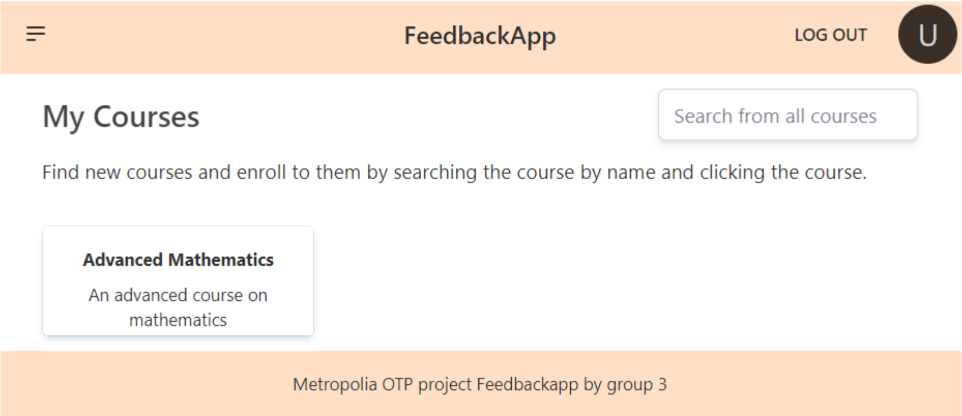
Picture 2. Teacher’s view.

For teachers, a button for creating a new course is located on the left side of the main dashboard. On the right side, there is a search bar in the navigation menu for searching all courses. The dashboard displays all the courses created by the teacher.

On the course page, the course and lessons can be managed, and it provides access to view the feedback given for lessons.



FeedbackApp

LOG OUT

U

My Courses

Search from all courses

Find new courses and enroll to them by searching the course by name and clicking the course.

Advanced Mathematics

An advanced course on mathematics

Metropolia OTP project Feedbackapp by group 3

Picture 3. Student’

For students, the navigation menu has a search bar on the right side, allowing all courses to be searched, and enrollment requests to be sent. The dashboard displays all the courses to which the student has been joined.

From the course view, feedback can be provided for lessons.